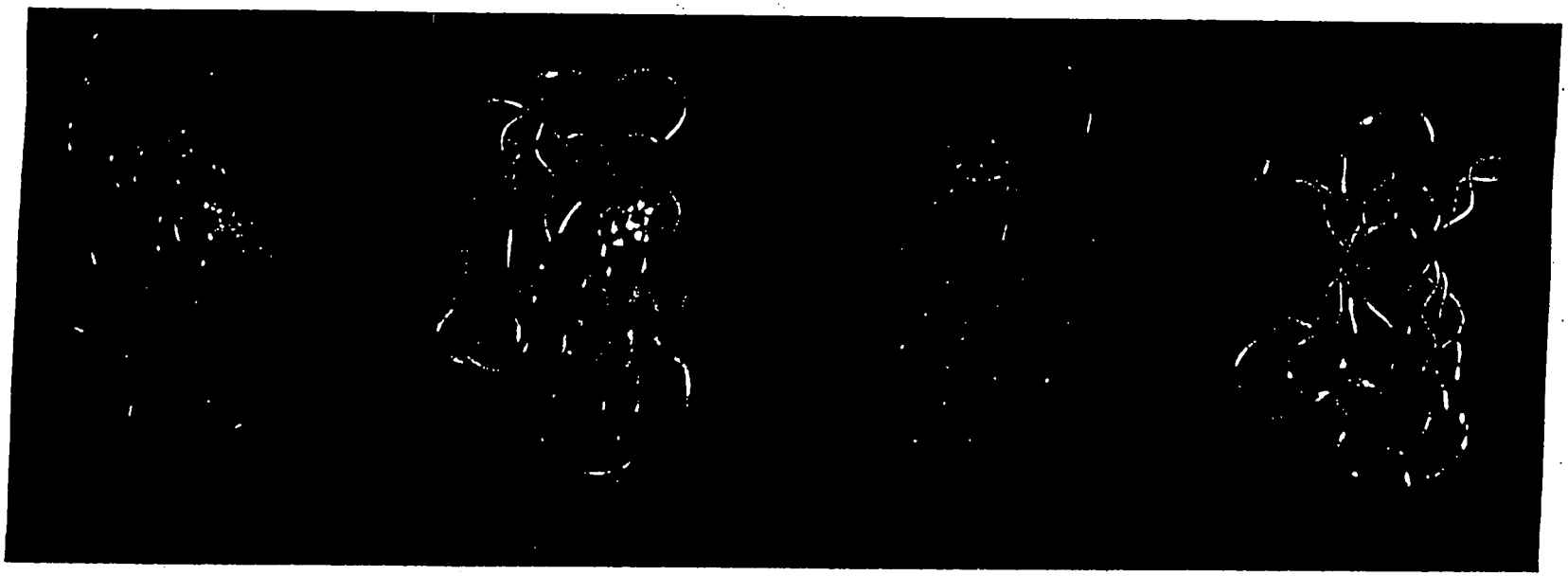


FIG. 1

FIG. 2

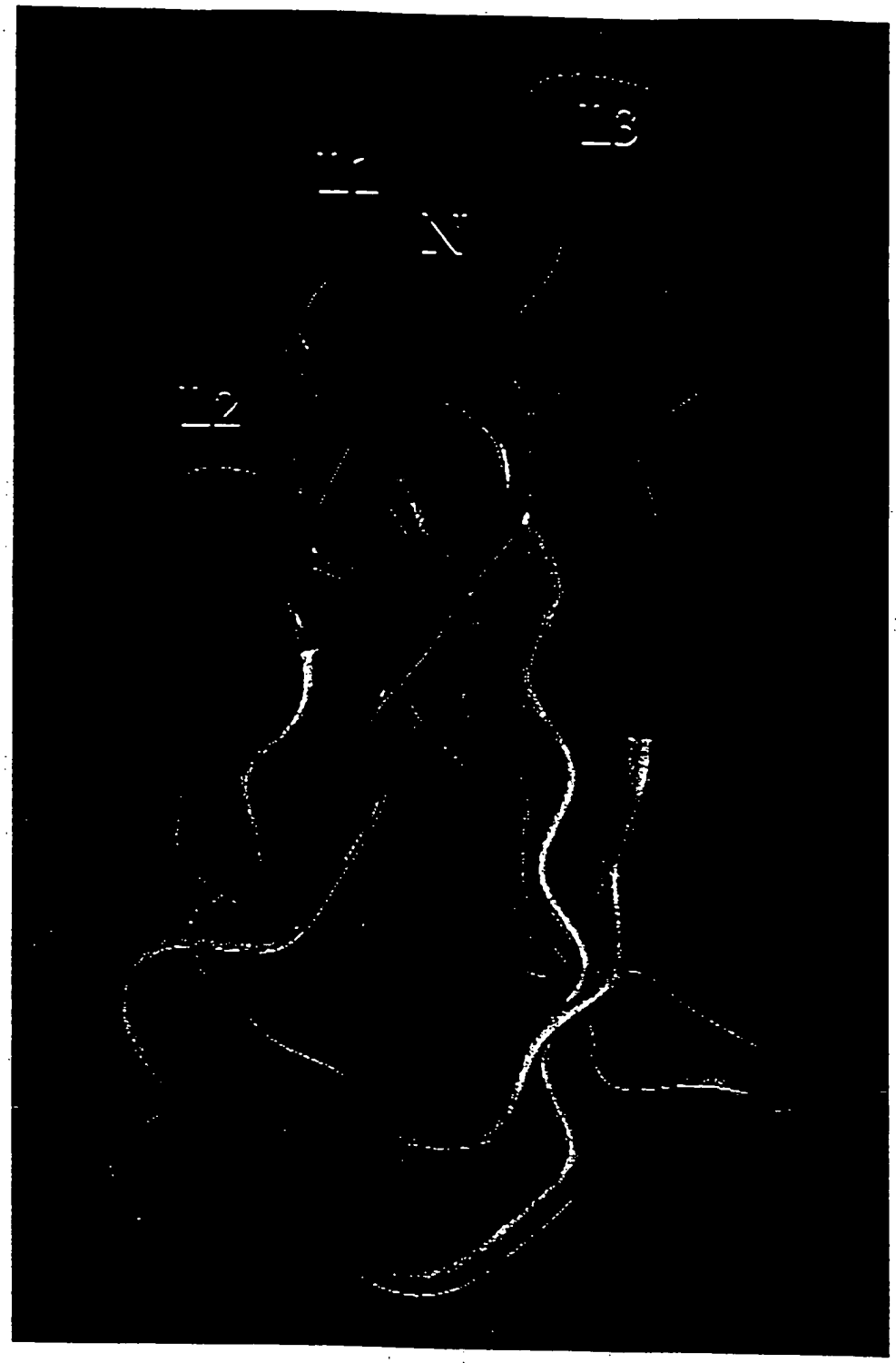
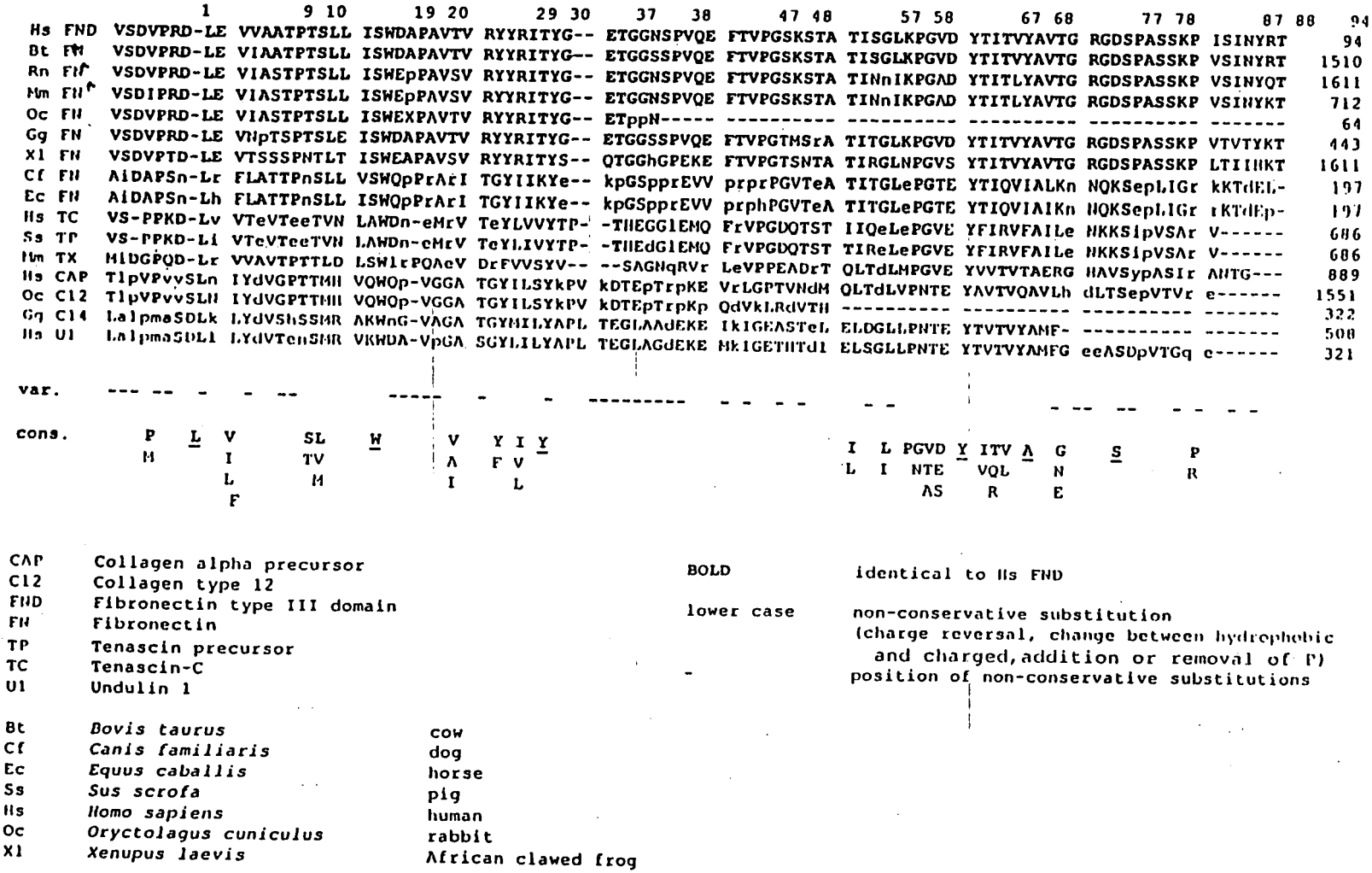


FIG. 3



CAP	Collagen alpha precursor
C12	Collagen type 12
FND	Fibronectin type III domain
FN	Fibronectin
TP	Tenascin precursor
TC	Tenascin-C
U1	Undulin 1

BOLD	identical to Hs FND
lower case	non-conservative substitution (charge reversal, change between hydrophobic and charged, addition or removal of P)
-	position of non-conservative substitutions

Bt	*Bovis taurus*	cow
Cf	*Canis familiaris*	dog
Ec	*Equus caballis*	horse
Ss	*Sus scrofa*	pig
Hs	*Homo sapiens*	human
Oc	*Oryctolagus cuniculus*	rabbit
Xl	*Xenupus laevis*	African clawed frog

FIG. 4

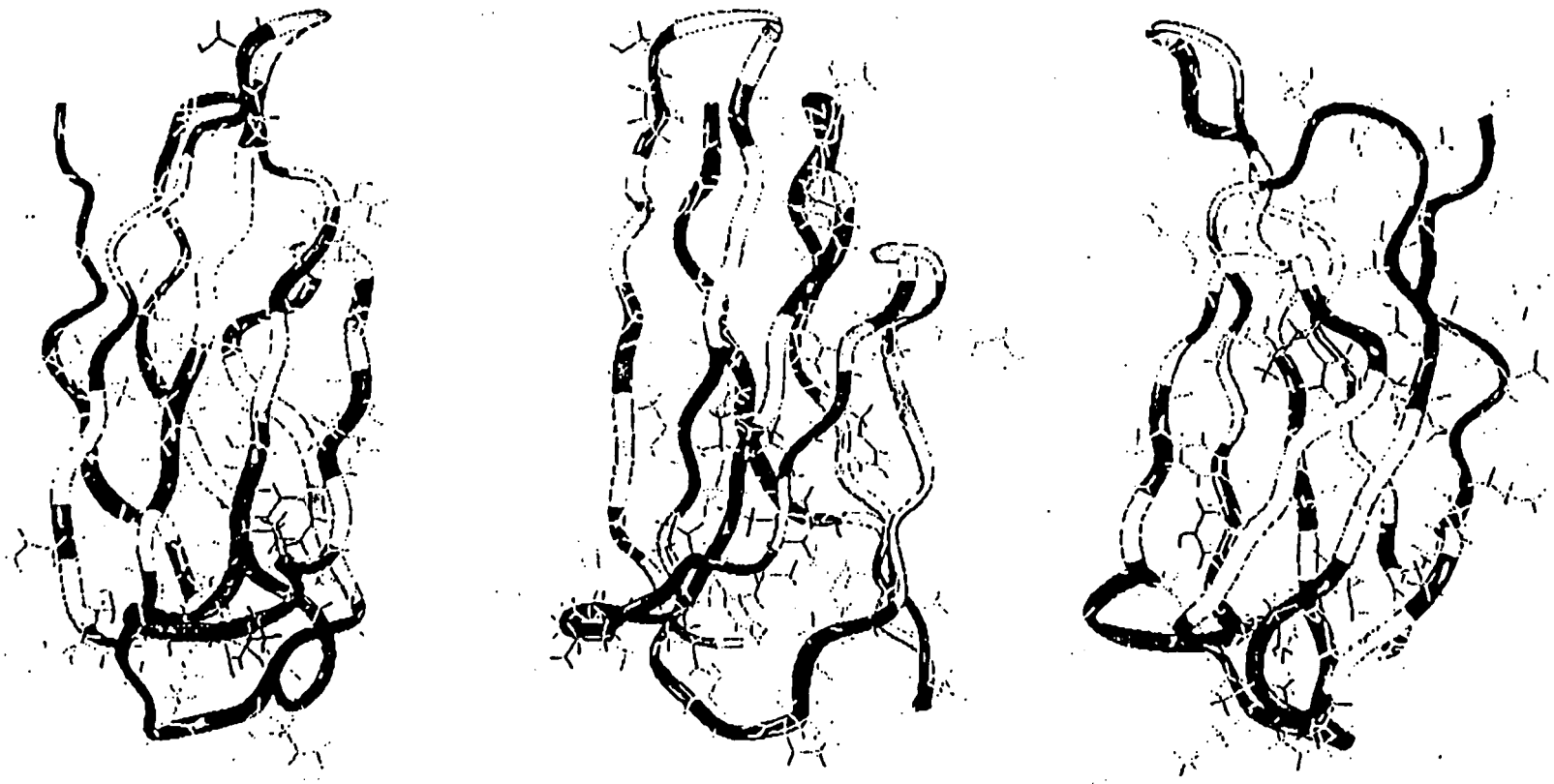


FIG. 5

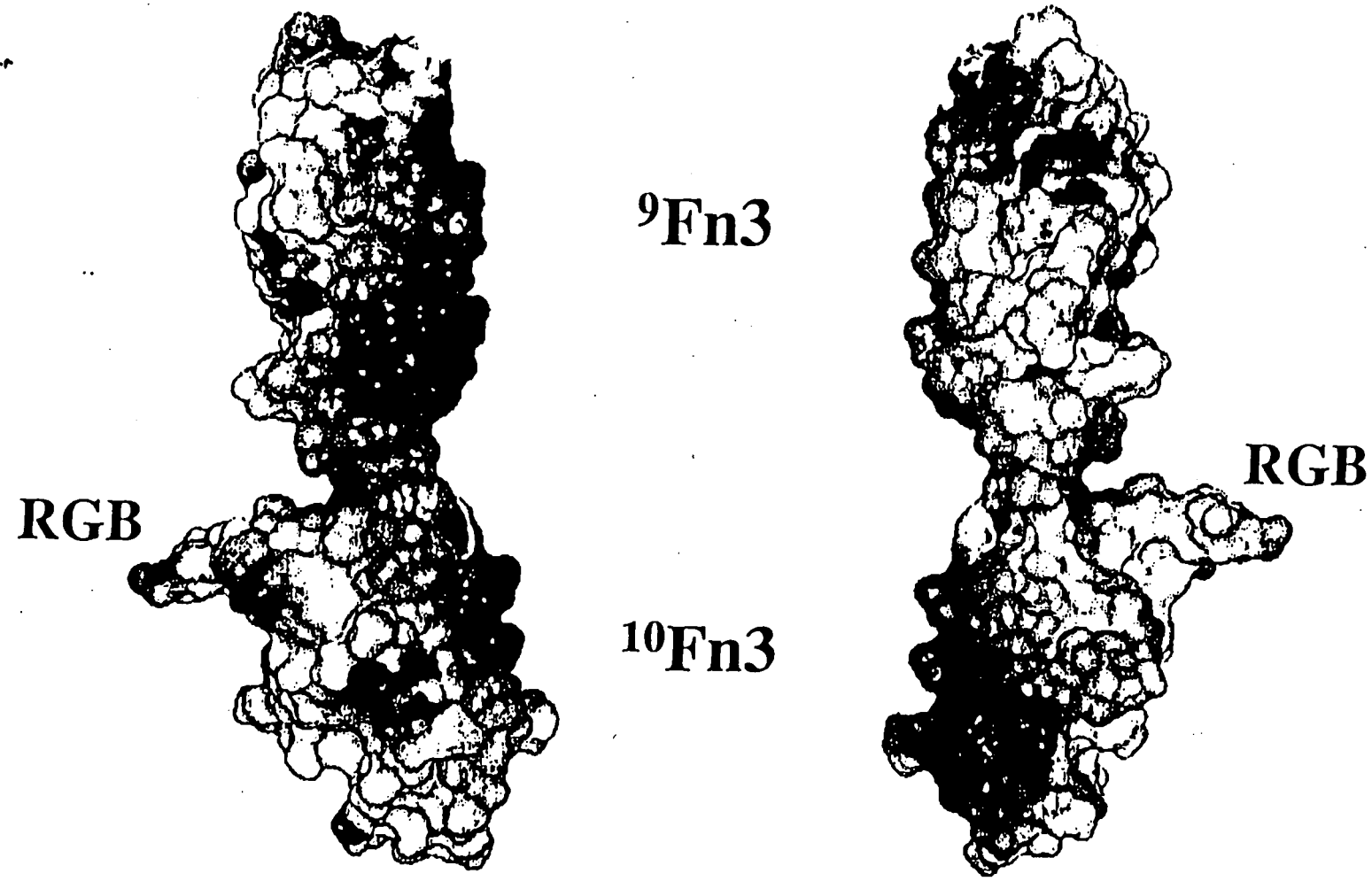


FIG. 6

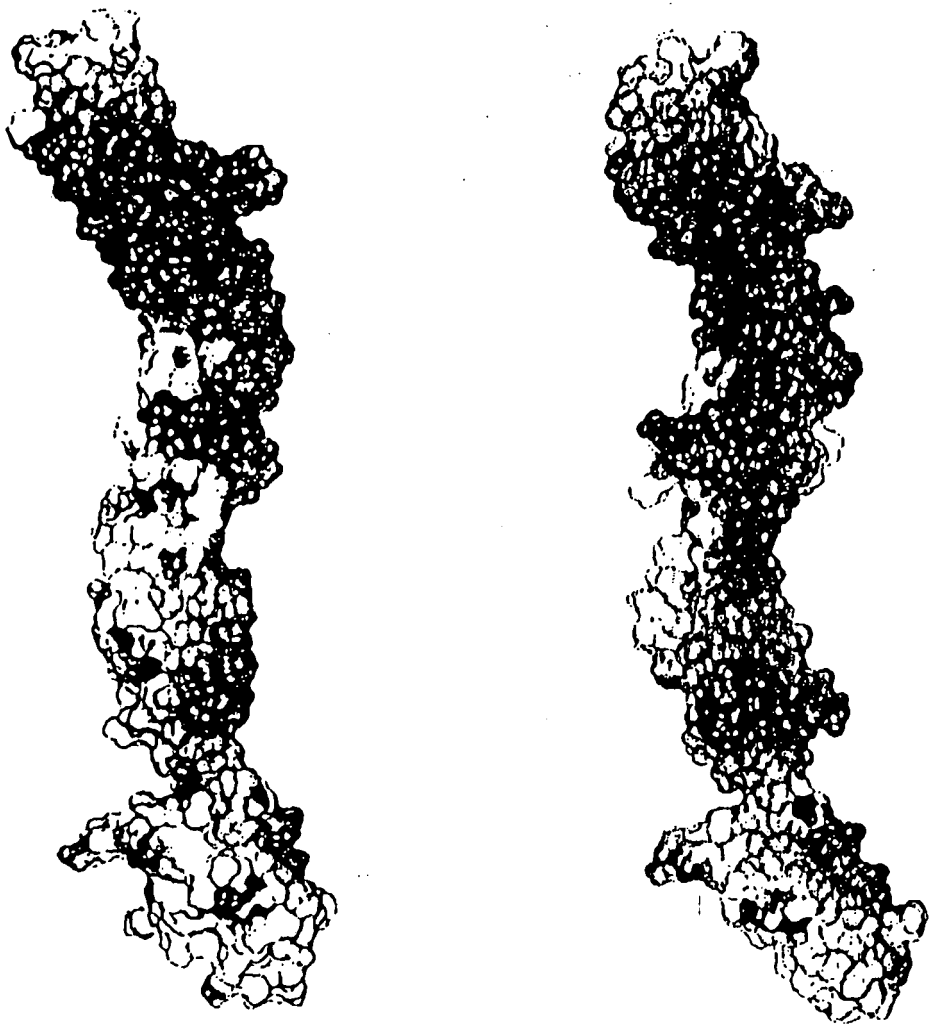


FIG. 7

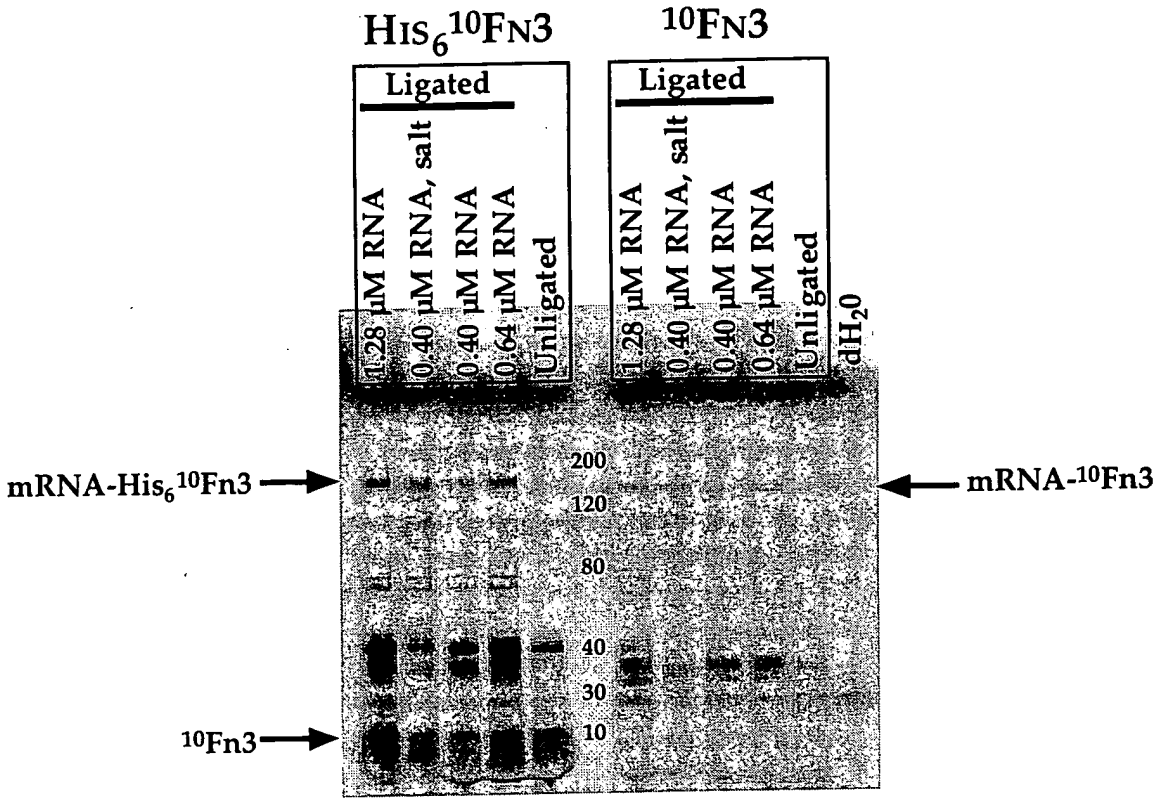

His6 10Fn3
10Fn3
Ligated
Ligated
1.28 µM RNA
0.40 µM RNA, salt
0.40 µM RNA
0.64 µM RNA
Unligated
1.28 µM RNA
0.40 µM RNA, salt
0.40 µM RNA
0.64 µM RNA
Unligated
dH2O
mRNA-His6 10Fn3
mRNA-10Fn3
10Fn3
200
120
80
40
30
10

Figure 8

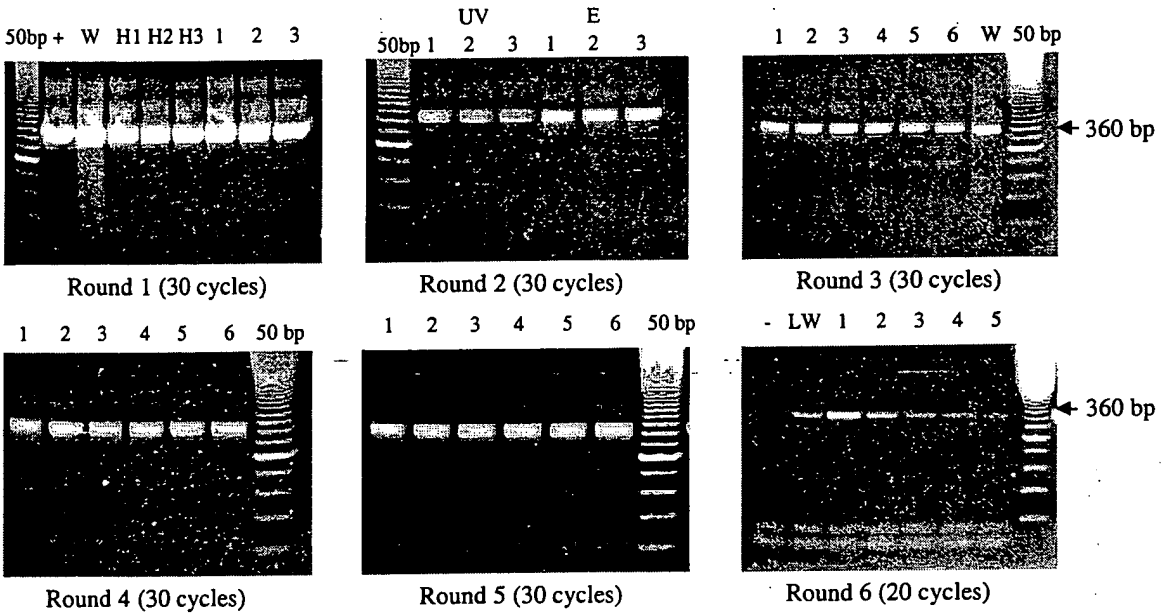

50bp + W H1 H2 H3 1 2 3
Round 1 (30 cycles)
UV E
50bp 1 2 3 1 2 3
Round 2 (30 cycles)
1 2 3 4 5 6 W 50 bp
360 bp
Round 3 (30 cycles)
1 2 3 4 5 6 50 bp
Round 4 (30 cycles)
1 2 3 4 5 6 50 bp
Round 5 (30 cycles)
- LW 1 2 3 4 5
360 bp
Round 6 (20 cycles)

Figure 9

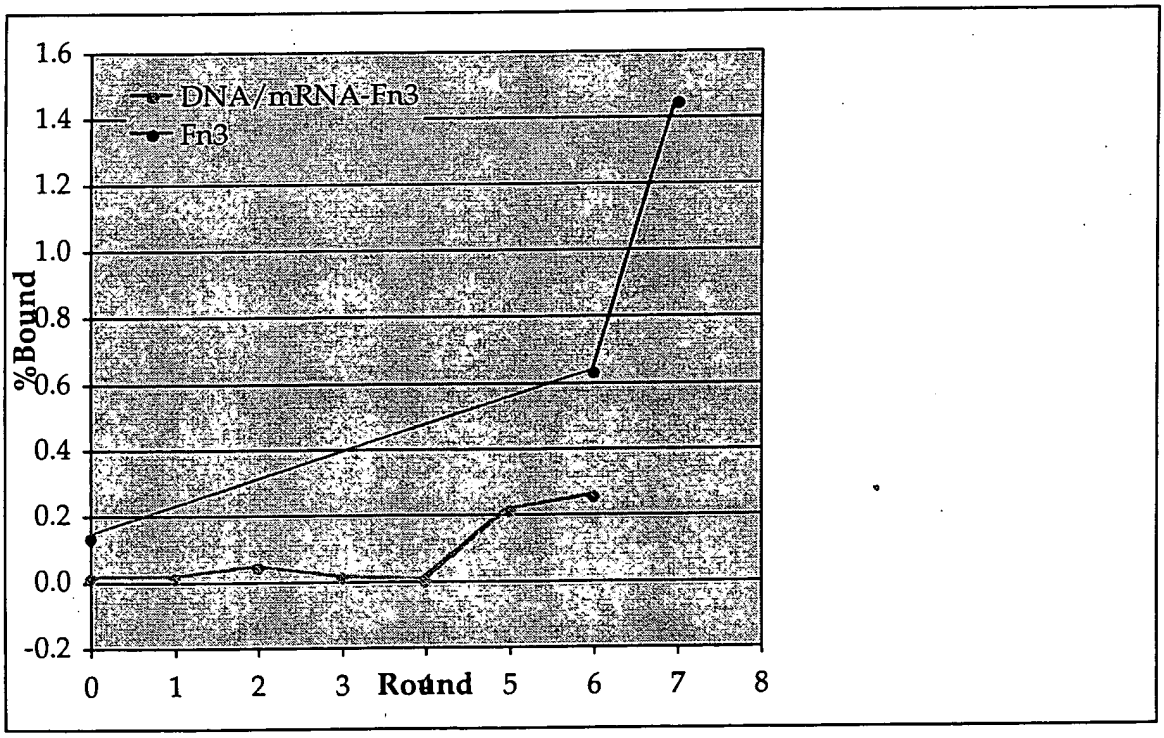
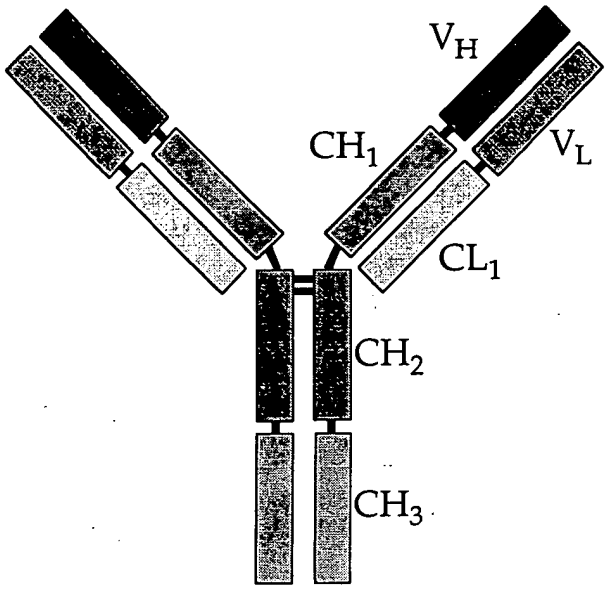
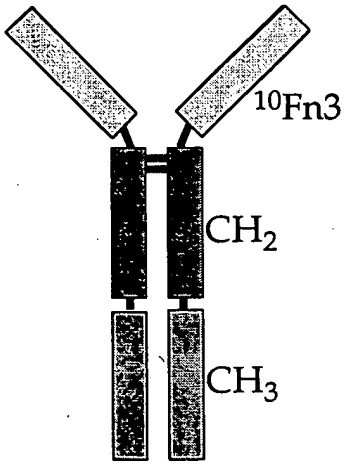

DNA/mRNA-Fn3
Fn3
%Bound
Round
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
-0.2
0
1
2
3
4
5
6
7
8

Figure 10

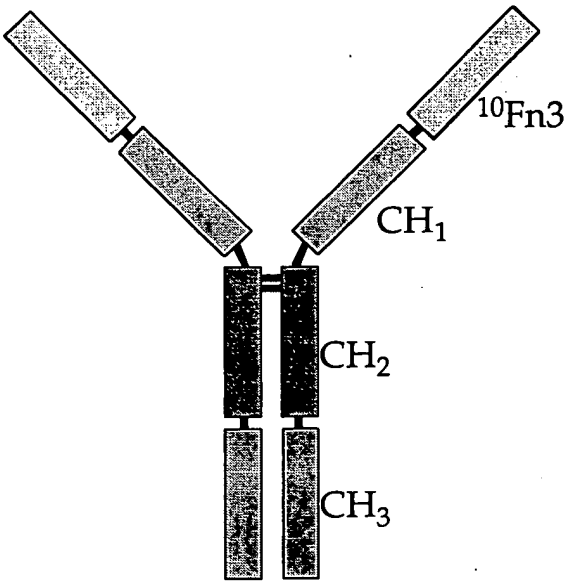


IgG

^{10}Fn3



^{10}Fn3-CH_2-CH_3



^{10}Fn3-CH_1-CH_2-CH_3

Figure 11

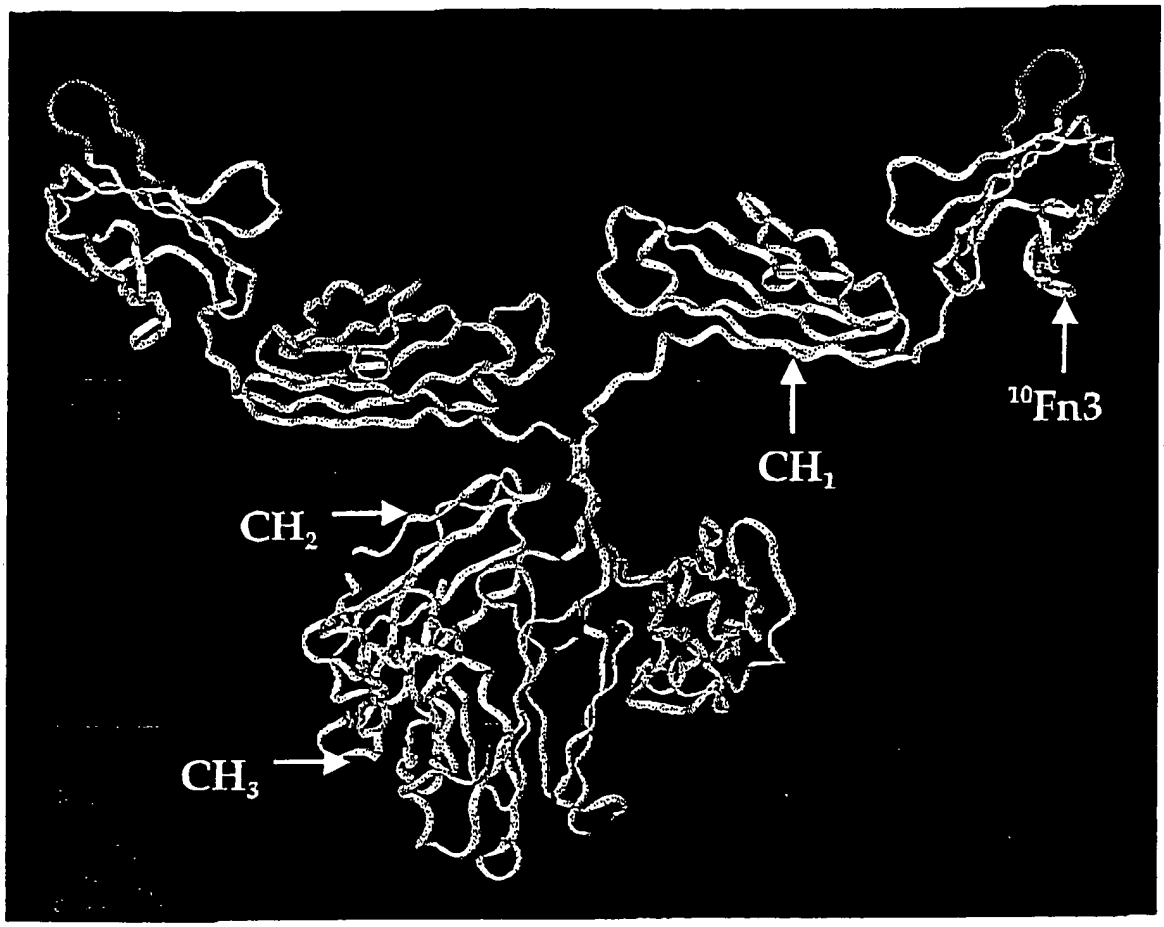


Figure 12